

TDMS No. 05174 - 05
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/F 344

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)
CRESOLS
CAS Number: 1319-77-3
Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.
F1_R2Males

Date Report Reqsted: 04/10/2006
Time Report Reqsted: 08:44:01
First Dose M/F: 08/05/02 / NA
Lab: BAT

C Number: C62260B
Lock Date: 02/09/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL

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FISCHER 344 RATS MALE	0 PPM	1500 PPM	5000 PPM	15000 PPM
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	12	10	9	14
Natural Death	5	6	8	5
Survivors				
Terminal Sacrifice	33	34	33	31
Animals Examined Microscopically	50	50	50	50
ALIMENTARY SYSTEM				
Esophagus	(50)	(50)	(50)	(49)
Intestine Large, Cecum	(50)	(50)	(50)	(49)
Parasite Metazoan		1 (2%)		
Intestine Large, Colon	(50)	(50)	(50)	(50)
Parasite Metazoan	4 (8%)	3 (6%)	3 (6%)	2 (4%)
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Edema	1 (2%)			
Parasite Metazoan	4 (8%)	5 (10%)	4 (8%)	2 (4%)
Intestine Small, Duodenum	(49)	(50)	(50)	(49)
Intestine Small, Ileum	(50)	(50)	(50)	(49)
Intestine Small, Jejunum	(50)	(50)	(50)	(49)
Liver	(50)	(50)	(50)	(50)
Angiectasis	5 (10%)	5 (10%)	7 (14%)	14 (28%)
Basophilic Focus	24 (48%)	18 (36%)	17 (34%)	7 (14%)
Clear Cell Focus	25 (50%)	20 (40%)	25 (50%)	27 (54%)
Degeneration, Cystic	7 (14%)	9 (18%)	12 (24%)	9 (18%)
Eosinophilic Focus	14 (28%)	14 (28%)	13 (26%)	23 (46%)
Fatty Change	17 (34%)	20 (40%)	9 (18%)	8 (16%)
Fibrosis	29 (58%)	30 (60%)	29 (58%)	34 (68%)
Hematopoietic Cell Proliferation	2 (4%)	1 (2%)		
Hepatodiaphragmatic Nodule	2 (4%)	5 (10%)	3 (6%)	3 (6%)
Inflammation	35 (70%)	29 (58%)	37 (74%)	38 (76%)
Mixed Cell Focus	5 (10%)	3 (6%)	3 (6%)	2 (4%)
Necrosis	1 (2%)	3 (6%)	1 (2%)	2 (4%)
Regeneration		2 (4%)		
Tension Lipidosis			1 (2%)	
Bile Duct, Cyst	1 (2%)	2 (4%)	1 (2%)	

a - Number of animals examined microscopically at site and number of animals with lesion

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Bile Duct, Hyperplasia	47 (94%)	46 (92%)	46 (92%)	45 (90%)
Centrilobular, Degeneration	3 (6%)	5 (10%)	3 (6%)	4 (8%)
Centrilobular, Necrosis	2 (4%)		1 (2%)	1 (2%)
Hepatocyte, Hypertrophy	1 (2%)			
Mesentery	(5)	(7)	(9)	(8)
Accessory Spleen		1 (14%)	1 (11%)	
Fat, Necrosis	4 (80%)	6 (86%)	8 (89%)	7 (88%)
Oral Mucosa	(0)	(1)	(0)	(2)
Inflammation		1 (100%)		1 (50%)
Pancreas	(49)	(50)	(50)	(49)
Acinus, Atrophy	18 (37%)	18 (36%)	16 (32%)	12 (24%)
Acinus, Hyperplasia	2 (4%)		3 (6%)	3 (6%)
Artery, Inflammation		1 (2%)		
Duct, Cyst	10 (20%)	10 (20%)	8 (16%)	7 (14%)
Salivary Glands	(49)	(50)	(50)	(49)
Submandibular Gland, Hyperplasia	1 (2%)			
Stomach, Forestomach	(49)	(50)	(50)	(50)
Inflammation	3 (6%)	1 (2%)	1 (2%)	2 (4%)
Ulcer	2 (4%)	2 (4%)		
Epithelium, Hyperplasia				1 (2%)
Stomach, Glandular	(49)	(50)	(50)	(50)
Inflammation	1 (2%)			1 (2%)
Ulcer			1 (2%)	
Epithelium, Hyperplasia		1 (2%)	1 (2%)	
Tongue	(0)	(1)	(1)	(0)
CARDIOVASCULAR SYSTEM				
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	42 (84%)	46 (92%)	42 (84%)	42 (84%)
Atrium, Thrombosis	2 (4%)	1 (2%)		
Myocardium, Fibrosis		1 (2%)		
Myocardium, Mineralization	1 (2%)			
Ventricle, Thrombosis		1 (2%)		
ENDOCRINE SYSTEM				
Adrenal Cortex	(50)	(50)	(50)	(50)
Angiectasis		1 (2%)		
Hyperplasia	12 (24%)	11 (22%)	10 (20%)	7 (14%)

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Necrosis	1 (2%)		4 (8%)	
Vacuolization Cytoplasmic	25 (50%)	22 (44%)	21 (42%)	19 (38%)
Adrenal Medulla	(50)	(50)	(50)	(50)
Angiectasis	2 (4%)			
Hyperplasia	10 (20%)	12 (24%)	11 (22%)	8 (16%)
Infiltration Cellular, Lymphoid		1 (2%)		
Necrosis	1 (2%)			
Islets, Pancreatic	(49)	(50)	(50)	(49)
Hyperplasia	2 (4%)	2 (4%)	1 (2%)	4 (8%)
Parathyroid Gland	(46)	(50)	(49)	(46)
Hyperplasia				1 (2%)
Pituitary Gland	(50)	(50)	(49)	(50)
Angiectasis	19 (38%)	9 (18%)	12 (24%)	8 (16%)
Cyst	5 (10%)	5 (10%)	7 (14%)	6 (12%)
Pars Distalis, Hyperplasia	14 (28%)	13 (26%)	14 (29%)	12 (24%)
Pars Intermedia, Hyperplasia				1 (2%)
Thyroid Gland	(50)	(50)	(50)	(49)
Cyst	2 (4%)	2 (4%)		
C-cell, Hyperplasia	25 (50%)	21 (42%)	17 (34%)	6 (12%)
Follicular Cell, Cyst			4 (8%)	
Follicular Cell, Hyperplasia	1 (2%)	1 (2%)	1 (2%)	4 (8%)
GENERAL BODY SYSTEM				
Tissue NOS	(0)	(0)	(0)	(1)
GENITAL SYSTEM				
Epididymis	(50)	(50)	(50)	(50)
Granuloma Sperm	1 (2%)	1 (2%)	1 (2%)	
Inflammation			2 (4%)	1 (2%)
Preputial Gland	(50)	(50)	(50)	(49)
Cyst			1 (2%)	
Hyperplasia		3 (6%)	4 (8%)	
Inflammation	47 (94%)	49 (98%)	45 (90%)	44 (90%)
Prostate	(50)	(50)	(50)	(50)
Atrophy			2 (4%)	
Cyst		1 (2%)		
Hyperplasia	20 (40%)	20 (40%)	16 (32%)	22 (44%)
Inflammation	25 (50%)	19 (38%)	26 (52%)	19 (38%)

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Seminal Vesicle	(50)	(50)	(50)	(50)
Atrophy		1 (2%)	1 (2%)	
Hyperplasia				1 (2%)
Inflammation				1 (2%)
Testes	(50)	(50)	(50)	(50)
Arteriole, Inflammation	1 (2%)			
Germinal Epithelium, Atrophy	1 (2%)	1 (2%)		
Interstitial Cell, Hyperplasia				2 (4%)
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Fibrosis	1 (2%)			1 (2%)
Hyperplasia	5 (10%)	2 (4%)	6 (12%)	7 (14%)
Necrosis	1 (2%)			
Lymph Node	(4)	(5)	(5)	(4)
Mediastinal, Ectasia				1 (25%)
Mediastinal, Hyperplasia, Lymphoid		1 (20%)		
Pancreatic, Hyperplasia, Lymphoid			1 (20%)	
Pancreatic, Pigmentation, Hemosiderin				1 (25%)
Lymph Node, Mesenteric	(49)	(50)	(50)	(50)
Hyperplasia, Lymphoid				1 (2%)
Spleen	(49)	(50)	(50)	(49)
Atrophy	1 (2%)	2 (4%)	3 (6%)	2 (4%)
Fibrosis	1 (2%)		1 (2%)	1 (2%)
Hematopoietic Cell Proliferation	17 (35%)	16 (32%)	23 (46%)	18 (37%)
Infiltration Cellular, Histiocyte				1 (2%)
Artery, Hyperplasia			1 (2%)	
Artery, Inflammation			1 (2%)	
Thymus	(47)	(43)	(47)	(48)
Atrophy	44 (94%)	39 (91%)	43 (91%)	47 (98%)
Cyst			1 (2%)	1 (2%)
Ectopic Parathyroid Gland				1 (2%)
INTEGUMENTARY SYSTEM				
Mammary Gland	(49)	(50)	(50)	(49)
Hyperplasia	6 (12%)	10 (20%)	6 (12%)	8 (16%)
Skin	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion	1 (2%)		1 (2%)	

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Hyperkeratosis	1 (2%)	1 (2%)		
Inflammation			2 (4%)	
Epidermis, Hyperplasia			1 (2%)	
Hair Follicle, Atrophy		1 (2%)		
Subcutaneous Tissue, Metaplasia, Osseous			1 (2%)	
Subcutaneous Tissue, Necrosis		1 (2%)		
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Hyperostosis				1 (2%)
Joint, Inflammation	1 (2%)			3 (6%)
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Hydrocephalus	7 (14%)	4 (8%)	4 (8%)	4 (8%)
Hypothalamus, Compression	6 (12%)	4 (8%)	4 (8%)	4 (8%)
RESPIRATORY SYSTEM				
Lung	(50)	(50)	(50)	(50)
Congestion			1 (2%)	1 (2%)
Fibrosis		1 (2%)		
Inflammation	26 (52%)	25 (50%)	23 (46%)	24 (48%)
Metaplasia, Osseous		2 (4%)	1 (2%)	1 (2%)
Metaplasia, Squamous			1 (2%)	
Alveolar Epithelium, Hyperplasia	7 (14%)	5 (10%)	8 (16%)	4 (8%)
Nose	(50)	(50)	(50)	(50)
Hyperplasia				1 (2%)
Inflammation	17 (34%)	19 (38%)	19 (38%)	28 (56%)
Goblet Cell, Hyperplasia	23 (46%)	40 (80%)	42 (84%)	47 (94%)
Respiratory Epithelium, Hyperplasia	3 (6%)	17 (34%)	31 (62%)	47 (94%)
Respiratory Epithelium, Metaplasia, Squamous		1 (2%)	8 (16%)	40 (80%)
Vein, Thrombosis			2 (4%)	2 (4%)
Trachea	(50)	(50)	(50)	(49)
Inflammation			1 (2%)	

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SPECIAL SENSES SYSTEM				
Eye	(49)	(50)	(50)	(50)
Cataract	1 (2%)	3 (6%)		1 (2%)
Inflammation	1 (2%)			
Choroid, Inflammation		1 (2%)		
Optic Nerve, Atrophy		2 (4%)		
Retina, Atrophy	1 (2%)	4 (8%)		1 (2%)
Sclera, Metaplasia, Osseous	16 (33%)	29 (58%)	28 (56%)	15 (30%)
Harderian Gland	(49)	(50)	(50)	(50)
Atrophy			2 (4%)	2 (4%)
Cyst		1 (2%)		
Hyperplasia	1 (2%)			
Inflammation	1 (2%)	6 (12%)	5 (10%)	3 (6%)
Zymbal's Gland	(1)	(2)	(0)	(2)
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(50)
Accumulation, Hyaline Droplet	1 (2%)			
Hydronephrosis			1 (2%)	
Infarct	1 (2%)		1 (2%)	
Necrosis	2 (4%)	1 (2%)	1 (2%)	4 (8%)
Nephropathy	47 (94%)	48 (96%)	46 (92%)	49 (98%)
Capsule, Lymphangiectasis		1 (2%)		
Renal Tubule, Cyst		2 (4%)		
Renal Tubule, Hyperplasia	2 (4%)			1 (2%)
Renal Tubule, Inflammation			1 (2%)	3 (6%)
Renal Tubule, Mineralization				1 (2%)
Transitional Epithelium, Hyperplasia			2 (4%)	8 (16%)
Ureter	(1)	(0)	(1)	(0)
Cyst			1 (100%)	
Inflammation	1 (100%)			
Urinary Bladder	(49)	(50)	(50)	(50)
Inflammation	1 (2%)		1 (2%)	

*** END OF MALE ***

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